

**SONY**®

3-862-739-21

**FD Trinitron**

**WEGA**





**Trinitron XBR**

Operating Instructions

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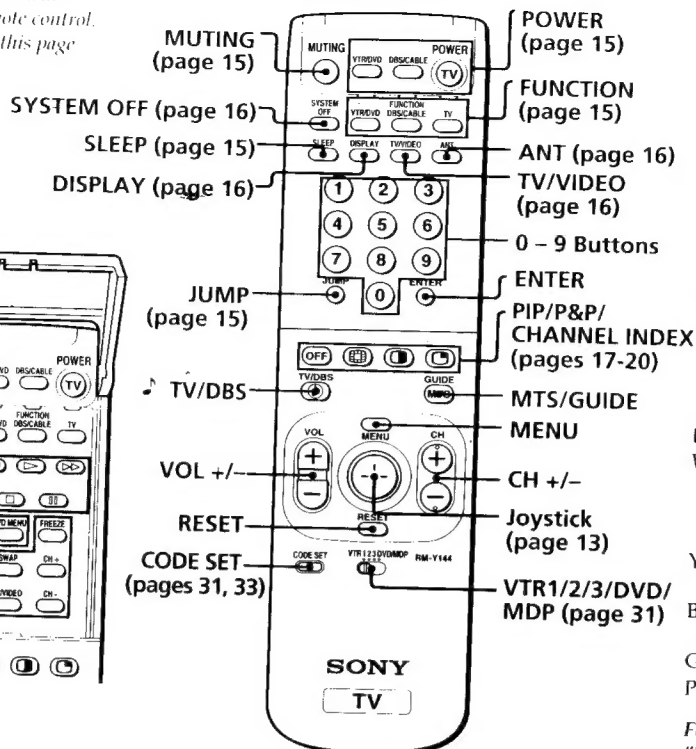
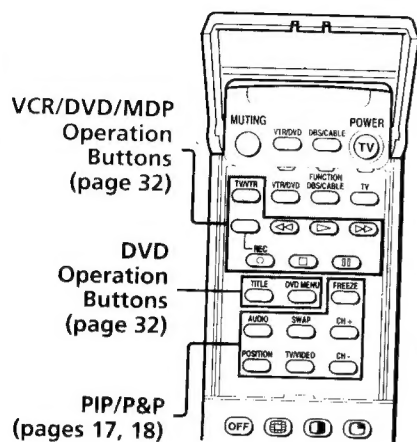
KV-32XBR200 KV-36XBR200

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## Remote Control

In the instructions that follow, we will refer to the buttons on your remote control. Keep this flap unfolded and use this page for reference.



### Getting to know the buttons on the remote control

Names of the buttons on the remote control are presented in different colors to represent the available functions.

#### Button color

Black ..... Press to select the component you want to control; e.g. VTR (VCR)/MDP/DVD Player, DBS (Direct Broadcast Satellite)/CABLE, or TV

Green ..... Buttons relevant to power operations, like turning the TV, DBS (Direct Broadcast Satellite)/CABLE, or VTR (VCR)/MDP/DVD Player on or off

#### Label color

White ..... TV/VTR (VCR)/MDP/DVD Player/DBS (Direct Broadcast Satellite)/CABLE operation buttons

Yellow ..... PIP, P&P, and CHANNEL INDEX operation buttons

Blue ..... DBS (Direct Broadcast Satellite) operation buttons

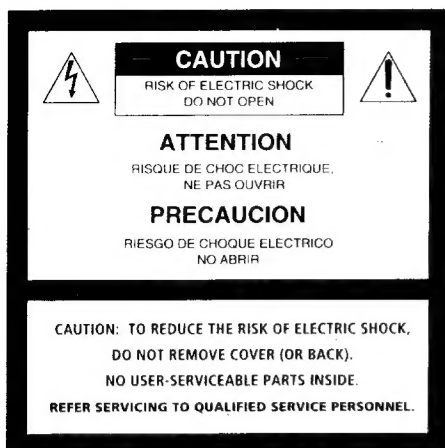
Green ..... S-Link operation buttons

Pink ..... DVD Player operation buttons

For a detailed explanation of most buttons, see "Watching the TV" on page 15.

## WARNING

To reduce the risk of fire or shock hazard, do not expose the TV to rain or moisture.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## CAUTION

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE, OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

## CAUTION

When using TV games, computers, and similar products with your TV, keep the brightness and contrast functions at low settings. If a fixed (non-moving) pattern is left on the screen for long periods of time at a high brightness or contrast setting, the image can be permanently imprinted onto the screen. Continuously watching the same program can cause the imprint of station logos onto the TV screen. These types of imprints are not covered by your warranty because they are the result of misuse.

### Note on Caption Vision

This television receiver provides display of television closed captioning in accordance with §15.119 of the FCC rules.

### Note on cleaning the TV

Clean the TV with a soft dry cloth. Never use strong solvents such as thinner or benzene, which might damage the finish of the cabinet.

### Note to CATV system installer

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Use of this television receiver for other than private viewing of programs broadcast on UHF or VHF or transmitted by cable companies for the use of the general public may require authorization from the broadcaster/cable company and/or program owner.

## NOTIFICATION

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful

interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference with radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antennas.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

This document is for the remote control RM-Y144.  
MODELS: KV-32XBR200, 36XBR200



As an ENERGY STAR® Partner, Sony has determined that this product or product models meets the ENERGY STAR® guidelines for energy efficiency.

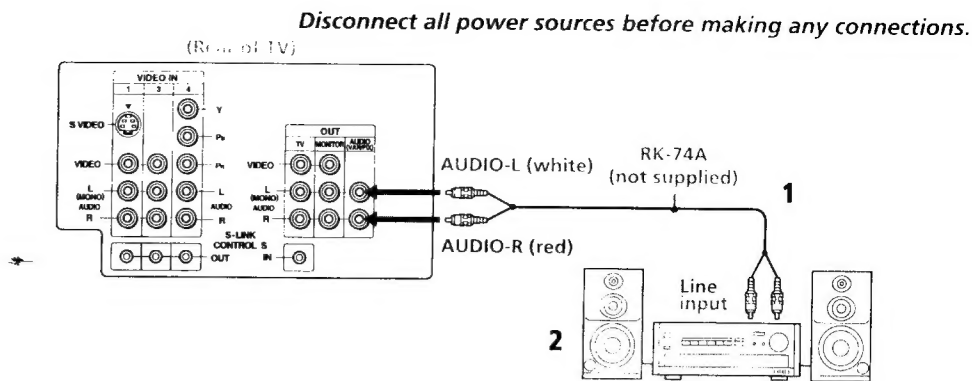
ENERGY STAR® is a U.S. registered mark.

## Additional Connections

### Connecting an audio system

For an enhanced sound, connect your audio system to your TV.

- 1 Using AUDIO connectors, connect AUDIO OUT on your TV to one of the unused Line inputs (e.g. Tape-2, AUX1, etc.) on your stereo.
- 2 Set your stereo to the chosen Line input and use the AUDIO menu to set your audio output. (see "SPEAKER" and "AUDIO OUT" on page 24)

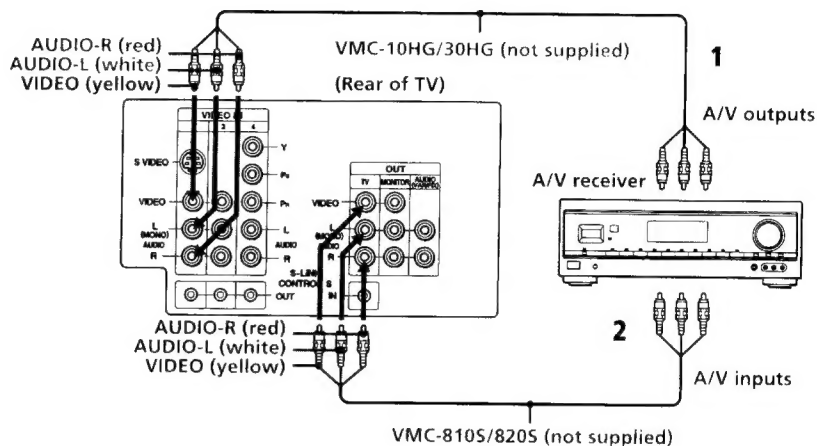


### Connecting an A/V receiver

For easier control of all audio and video equipment, connect your A/V receiver.

- 1 Using A/V connectors, connect VIDEO 1 IN on your TV to Monitor AUDIO and VIDEO OUT on your A/V receiver.
- 2 Using A/V connectors, connect TV OUT on your TV to TV AUDIO and VIDEO IN on your A/V receiver.

*You may want to use CHANNEL FIX to fix your TV's input to the A/V receiver (VIDEO 1). (see "CHANNEL SET UP" on page 26)*





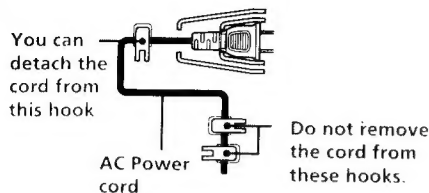
## Making Connections

Refer to the table below, it will direct you to the diagram suitable to the components you will be connecting.

If you will be connecting	See page
Cable or antenna only	3
Cable and antenna	3
Cable box	4
Cable box and cable to view scrambled channels	4
VCR and cable or antenna	5
VCR and cable box	5
Two VCRs for tape editing using MONITOR OUT	6
Direct Broadcast Satellite Receiver (DBS)	7
VCR and Direct Broadcast Satellite Receiver (DBS)	7
DVD Player	8
DVD Player with component video output connectors	8
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A/V receiver	9
Camcorder to view tapes	10
CONTROLS	11
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Direct Broadcast Satellite Receiver (DBS) using S-Link	12

## Note about the AC Power Cord

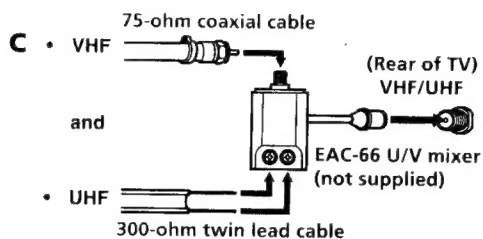
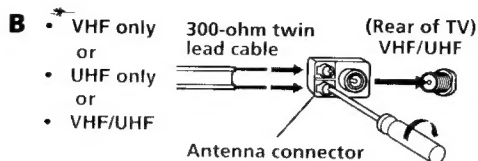
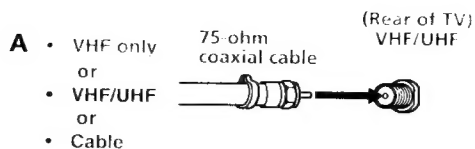
The AC power cord is attached to the rear of the TV with hooks. Use caution when removing the AC plug from its holder. Gently slide the cord in the upward direction, without removing the cord from the two lower hooks.



## Cable or Antenna Connections

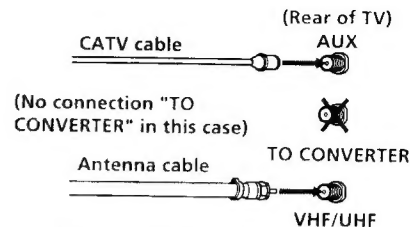
### Connecting directly to cable or an antenna

The connection you choose will depend on the cable found in your home. Newer homes will be equipped with standard coaxial cable (see **A**); older homes will probably have 300-ohm twin lead cable (see **B**); still other homes may contain both (see **C**).



## Cable and antenna

You may find it convenient to use the following set up if your cable provider does not feature local channels that you are able to receive using an antenna.



Select cable or antenna mode by pressing ANT on the remote control.

### Note

- In order to receive channels with an antenna, you will need to turn your CABLE to OFF and perform the AUTO PROGRAM function. (see "CHANNEL SET UP" on page 26)

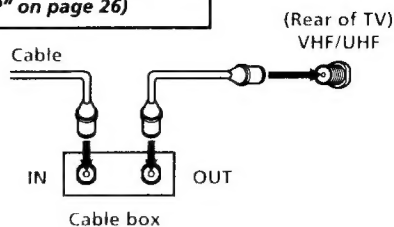
## Cable Box Connections

Some pay cable TV systems use scrambled or encoded signals that require a cable box to view all channels.

### Cable box

- 1 Connect the coaxial connector from your cable to the IN on your cable box.
- 2 Using a coaxial cable, connect OUT on your cable box to VHF/UHF on your TV.

*If you will be controlling all channel selection through your cable box, you should consider using the CHANNEL FIX feature. (see "CHANNEL SET UP" on page 26)*



### Cable box and cable

For this set up, you can switch between scrambled channels (through your cable box), and normal (CATV) channels by pressing ANT on your remote control.

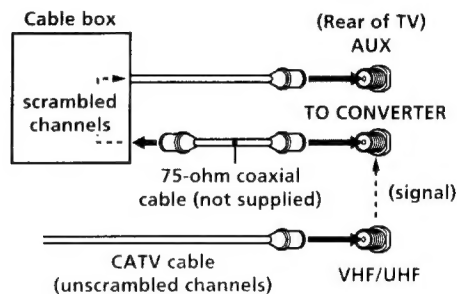
#### Notes

- Your Sony remote control can be programmed to operate your cable box. (see "Operating a Cable Box or DBS Receiver" on page 33)
- When using PIP, you cannot view the AUX input in the window picture.

#### Tip

Pressing ANT switches between these inputs.

*If you are connecting a cable box through the AUX input and would like to switch between the AUX and normal (CATV) input you should consider using the CHANNEL FIX feature. (see "CHANNEL SET UP" on page 26)*





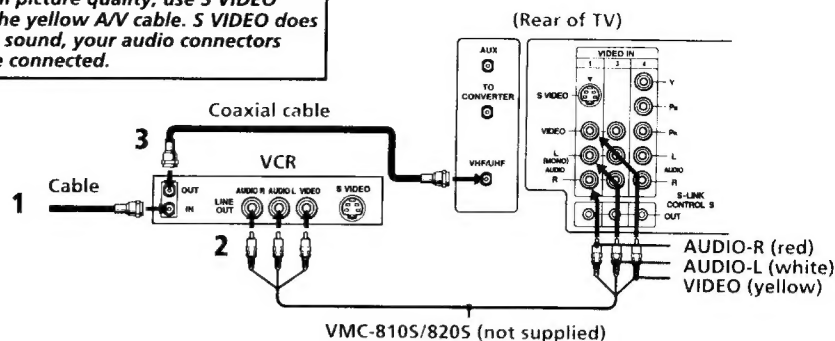
## VCR Connections

### Connecting an antenna/cable TV system with a VCR

- 1 Attach the coaxial connector from your cable or antenna to IN on your VCR.
- 2 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV\*.
- 3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.

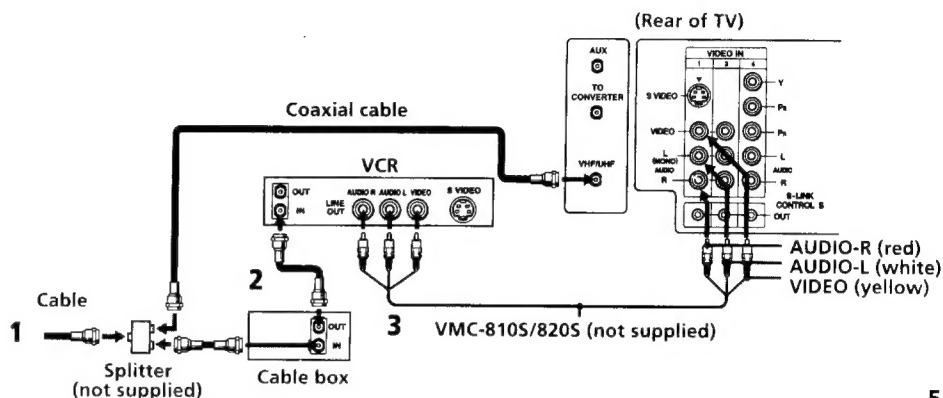
\* If you are connecting a monaural VCR, connect only the single white audio output to the left input on your TV.

For optimum picture quality, use S VIDEO instead of the yellow A/V cable. S VIDEO does not provide sound, your audio connectors must still be connected.



### Connecting a VCR and TV with a cable box

- 1 Connect the single (input) jack of the splitter to your incoming cable connection, and connect the other two (output) jacks (using coaxial cable) to IN on your cable box and VHF/UHF on your TV.
- 2 Using a coaxial connector, connect OUT on your cable box to IN on your VCR.
- 3 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.



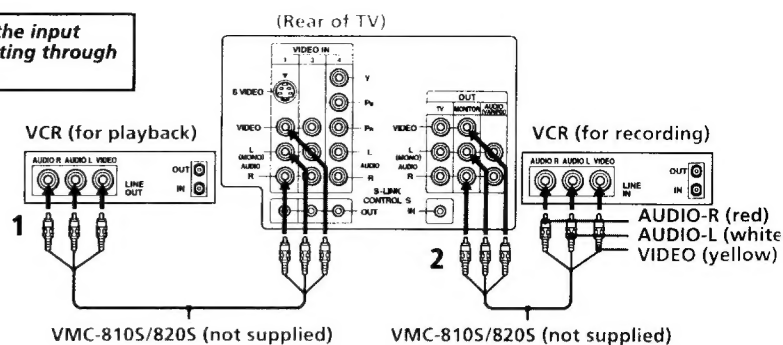
Disconnect all power sources before making any connection

## Connecting two VCRs

MONITOR OUT gives you the ability to use a second VCR to record a program being played by the primary VCR or to perform tape editing and dubbing.

- 1 Connect the VCR intended for playback using the connection instructions on page 4 of this manual.
- 2 Using A/V connectors, connect AUDIO and VIDEO IN on your VCR intended for recording to MONITOR AUDIO and VIDEO OUT on your TV.

**Do not change the input signal while editing through MONITOR OUT.**



## DBS Connections

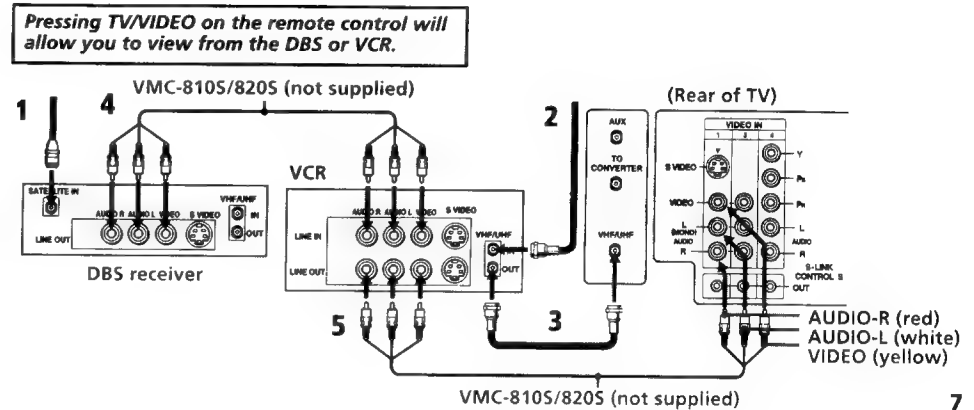
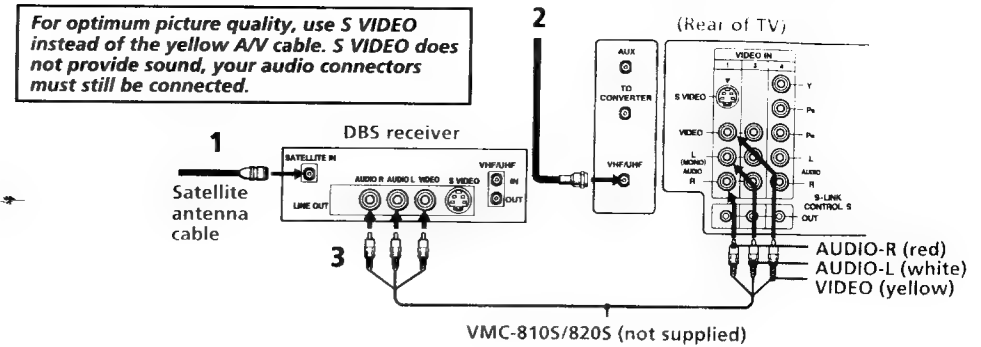
### Connecting a DBS (Direct Broadcast Satellite) receiver

- 1 Connect the cable from your satellite antenna to your DBS receiver.
- 2 Attach the coaxial connector from your cable or antenna to VHF/UHF IN on your TV.
- 3 Using A/V connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your TV.

### Connecting a DBS (Direct Broadcast Satellite) receiver and a VCR

- 1 Connect the cable from your satellite antenna to your DBS receiver.
- 2 Attach the coaxial connector from your cable or antenna to VHF/UHF IN on your VCR.
- 3 Using a coaxial connector, connect VHF/UHF OUT on your VCR to VHF/UHF IN on your TV.
- 4 Using A/V connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your VCR.
- 5 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

Disconnect all power sources before making any connections.





Disconnect all power sources before making any connection

## DVD Connections

### Connecting a DVD Player

Using A/V connectors, connect VIDEO IN on your TV to LINE OUT on your DVD Player.

### Connecting a DVD Player with component video output connectors

This connection option offers the highest quality DVD picture.

- 1 Using AUDIO connectors, connect AUDIO R and L of the LINE OUT on your DVD Player to AUDIO R and L on the VIDEO IN 4 panel at the rear of your TV.
- 2 Using three VIDEO connectors, connect Y, Pb, and Pr on the COMPONENT VIDEO OUT on your DVD Player to Y, Pb, and Pr on the VIDEO IN 4 panel at the rear of your TV.

#### Note

- Some DVD Player terminals may be labeled Y, Cb, and Cr, or Y, B-Y, and R-Y. If so, connect them by matching the colors.

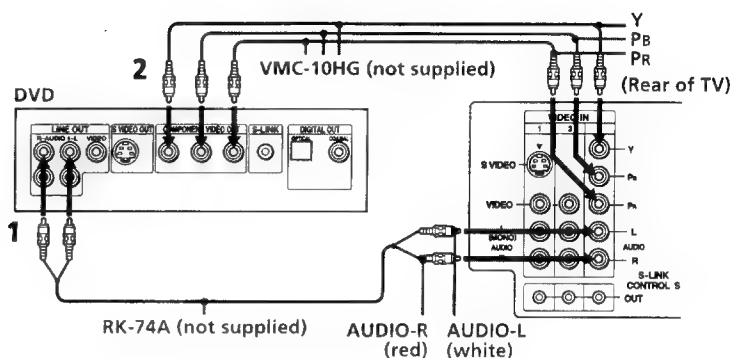
For better picture quality, use S VIDEO instead of the yellow A/V cable. S VIDEO does not provide sound, your audio connectors must still be connected.

(Rear of DVD player)

(Rear of TV)

1

VMC-810S/820S (not supplied)

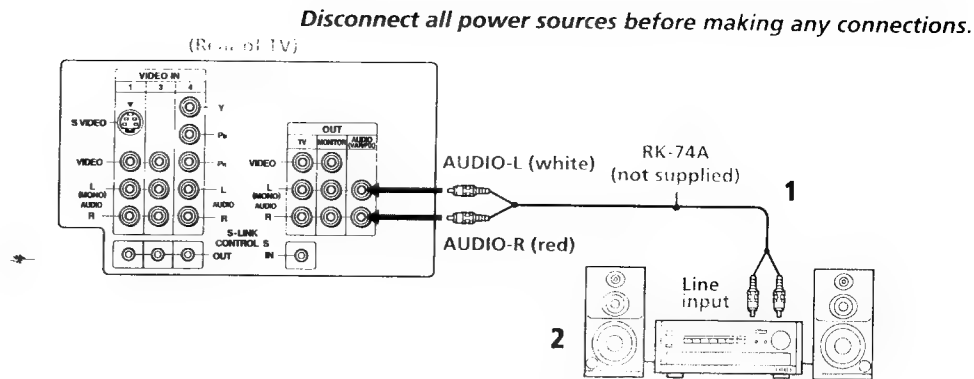


## Additional Connections

### Connecting an audio system

For an enhanced sound, connect your audio system to your TV.

- 1 Using AUDIO connectors, connect AUDIO OUT on your TV to one of the unused Line inputs (e.g. Tape-2, AUX1, etc.) on your stereo.
- 2 Set your stereo to the chosen Line input and use the AUDIO menu to set your audio output. (see "SPEAKER" and "AUDIO OUT" on page 24)

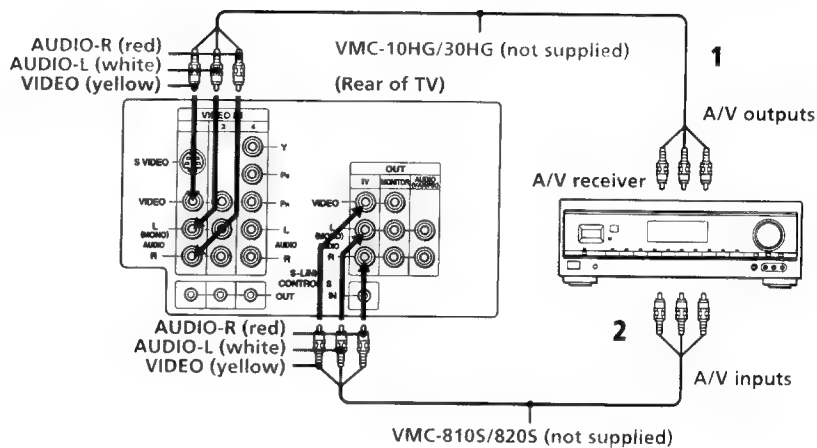


### Connecting an A/V receiver

For easier control of all audio and video equipment, connect your A/V receiver.

- 1 Using A/V connectors, connect VIDEO 1 IN on your TV to Monitor AUDIO and VIDEO OUT on your A/V receiver.
- 2 Using A/V connectors, connect TV OUT on your TV to TV AUDIO and VIDEO IN on your A/V receiver.

*You may want to use CHANNEL FIX to fix your TV's input to the A/V receiver (VIDEO 1). (see "CHANNEL SET UP" on page 26)*



**Disconnect all power sources before making any connection**

### Connecting a camcorder

This connection is convenient for viewing a picture directly from your camcorder.

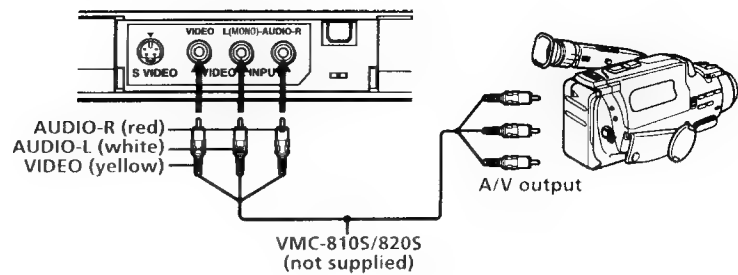
Using A/V connectors, connect AUDIO and VIDEO OUT on your camcorder to AUDIO and VIDEO IN on your TV.

Connection can also be made directly to your A/V input located on the rear of your TV.

#### Note

- If you are connecting a monaural camcorder, connect only the single white audio output to the left input on your TV.

**If you have an S VIDEO equipped camcorder, you can use an S Video cable for optimum picture quality.**



*Disconnect all power sources before making any connections.*

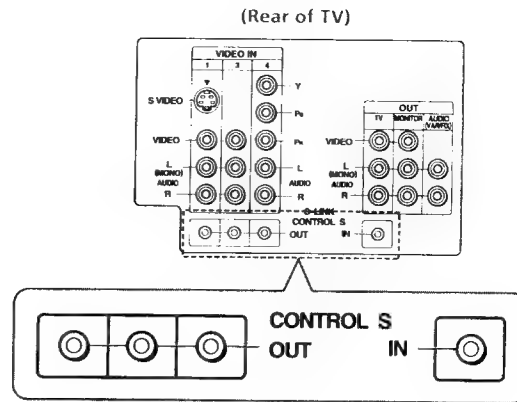
## Using Special Sony Features

### Using the CONTROL S feature

CONTROL S allows you to control your TV and other Sony equipment with one remote control.

To control your other Sony equipment with your TV's remote control, connect the CONTROL S IN jack of the equipment to the CONTROL S OUT jack on the TV with the CONTROL S cable.

To control other Sony equipment with your TV's remote control, see "S-Link Connections" on page 12.

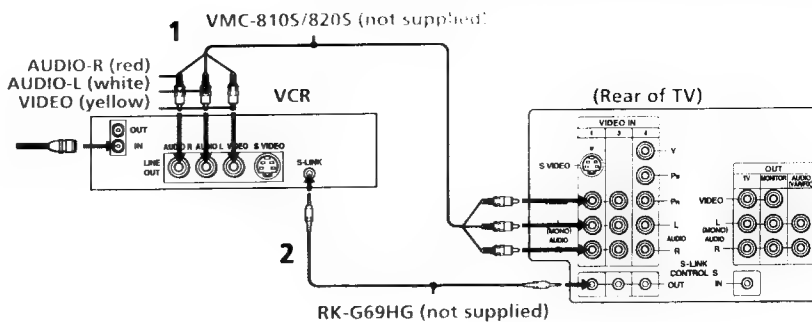


Disconnect all power sources before making any connection.

## Connecting S-Link to your VCR

S-Link will automatically power on the TV and switch to the correct video input when a tape is inserted in the VCR or when you begin to play a tape.

- 1 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.
- 2 Using an S-LINK connector (mono mini plug), connect S-LINK/CONTROL S-IN on your VCR to S-LINK on your TV.



## Connecting S-Link to your DBS

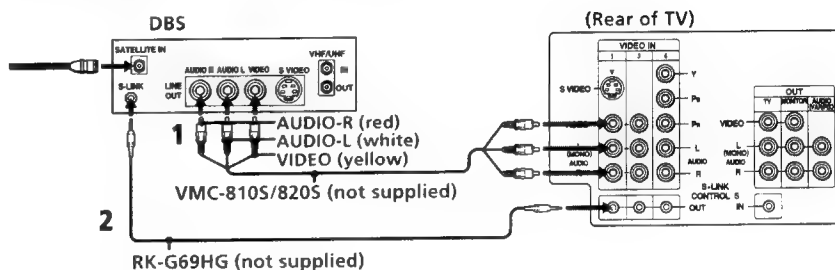
S-Link will automatically power on the TV and switch to the correct video input when you power on the DBS.

- 1 Using A/V connectors, connect AUDIO and VIDEO OUT on your DBS to AUDIO and VIDEO IN on your TV.
- 2 Using an S-LINK connector (mono mini plug), connect S-LINK/CONTROL S-IN on your DBS to S-LINK on your TV.

### Note

- If you have labeled one of your video inputs as SKIP (see "VIDEO LABEL" on page 27) and then connect video equipment to this input using S-Link, the S-Link feature will override the SKIP function.

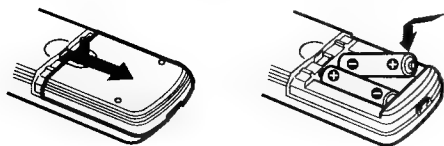
The S-Link connector must be in the same VIDEO-IN jacks as the A/V cables on your TV.





## Inserting Batteries

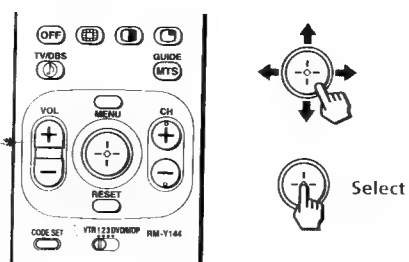
Insert two size AA (R6) batteries (supplied) by matching the + and - on the batteries to the diagram inside the battery compartment.



### Notes

- Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period.
- Handle the remote control with care. Avoid dropping it, getting it wet, or placing it in direct sunlight, near a heater, or where the humidity is high.
- Your remote control can be programmed to operate most video equipment. (see "Operating Video Equipment" on page 31)

## Using the Remote Control Joystick



The supplied remote control has a joystick which allows for movement of the on-screen selector. Pressing up, down, left, or right on the joystick will cause the selector to *move* in the corresponding direction. Pressing down on the center of the joystick (  $\oplus$  ) will *select* the item.

## Adjustment Bars

When menu items present an adjustment bar (  $\text{|||||}$  or  $\text{—————}$  ), press up, down, left, or right on the joystick to adjust the setting.

## On Screen Help/Instructions

Several menu windows will provide prompts and instructions to assist you in navigating through the different functions.

*When the instructions are presented, use them to supplement the instructions in this manual.*

## Setting Up the TV Automatically

The Easy Setup Guide feature allows you to set the on-screen language and set all receivable channels in one step.

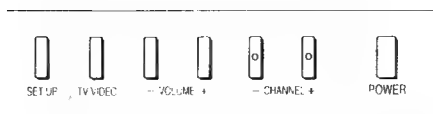
The **AUTO PROGRAM** function of the Easy Setup Guide feature does not apply for installations that use a cable box for all channel selection.

You can also set up the TV manually. (see "Using the SET UP menu" on page 26)

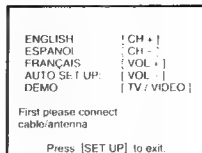
### Tips

- Perform this function during the day, with the antenna and/or cable properly connected, to ensure that all available channels will be broadcasting and receivable.
- After using Easy Setup Guide you will still have the option of adjusting any of the system settings, like erasing channels, through the SET UP menu. (see "CHANNEL SET UP" on page 26)

Using the buttons on the top of the TV:

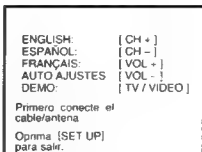
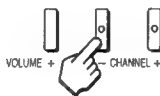


- 1 Press **POWER** to turn on the TV.  
\* The Easy Setup Guide screen appears.



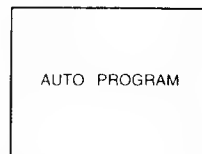
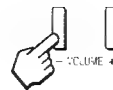
- 2 Press **CHANNEL +** to select **ENGLISH**, **CHANNEL -** to select **ESPAÑOL** or **VOLUME +** to select **FRANÇAIS**.

The screen will change to reflect your choice.



For a DEMO of functions and menus, press **TV / VIDEO**.

Press **VOLUME -** to continue.



**AUTO PROGRAM** appears and the TV starts scanning and presetting channels automatically. When all the receivable channels are stored, the lowest numbered channel is displayed. If the TV receives cable TV channels **CABLE** is set to **ON** automatically.

### To perform AUTO SET UP again

Press the **SET UP** button on the TV and follow steps 2–3.

### Notes










- Before you perform Easy Setup Guide again, make sure that the input from **ANT** (not **AUX**) is selected by pressing **ANT** until "AUX" does not appear next to the channel number.
- When you perform **AUTO PROGRAM**, your **CHANNEL FIX**, **TIMER**, and **CHANNEL BLOCK** settings will be erased.
- To reset your TV to factory settings, turn the TV on. Then, while pressing the **RESET** button on your remote control, press the **POWER** key on your TV. The TV will turn itself off, then back on.








## Watching the TV

Many TV features can be accessed directly through the remote control. The following chart will explain the function of some buttons found on your remote control.



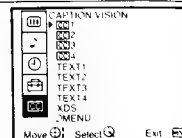
REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART

Using the White Labeled Buttons for TV Operations	
	Press when you want to turn equipment on and off.
	Press when you want to control connected components with your remote control. (see pages 31-33 for instructions on programming your remote control)
	Use for direct channel selection. Press 0-9 to select a channel (for example, to select channel 10, press 1 and 0), the channel will change after 2 seconds, or you can press ENTER for immediate selection.
	Press to scan through the channels. <i>Keeping the CH + or - pressed allows you to rapidly scan to the desired channel.</i>
	Press to adjust the volume.
	Press to alternate or <i>jump</i> back and forth between two channels. The TV will jump between the current channel and the last channel selected using the 0-9 buttons.
	Press to mute the sound ("MUTING" will appear on the screen). Press again or press VOL + to restore sound.
	Press to freeze the picture. Press again or press <b>OFF</b> to cancel.
	Press repeatedly until the TV displays the approximate time in minutes (30, 60, or 90) that you want the TV to remain on before shutting off automatically. Cancel by pressing until SLEEP OFF appears.

Using the White Labeled Buttons for TV Operations	
<b>DISPLAY</b> 	Press repeatedly to step through available displays: <b>Status</b> Channel number, current time, channel caption (if set), and MTS mode (if SAP is selected) are displayed. SAP indication disappears after three seconds. <b>Caption Vision/XDS</b> Closed captioning or XDS will be displayed on the screen if the broadcaster offers these services. (see right) To cancel the display, press DISPLAY repeatedly until DISPLAY OFF appears.
<b>TV/VIDEO</b> 	Press repeatedly to step through available video inputs: <b>TV, VIDEO 1, VIDEO 2, VIDEO 3 and VIDEO 4</b> If you select SKIP as a VIDEO LABEL in the SET UP menu, your TV will skip the video input you selected. (see "VIDEO LABEL" on page 27)
<b>ANT</b>  (AUX input)	Press to change between the VHF/UHF input and the AUX input. (For detailed connection information, see "Cable box and cable" on page 4 or "Cable and antenna" on page 3) Press to change from VIDEO input to TV input.
<b>GUIDE</b> 	Press to cycle through the Multi-channel TV Sound (MTS) options: <b>STEREO, SAP, MONO</b> (see "MTS" on page 24) Guide is a feature of DBS, refer to your DBS operating instructions.
<b>SYSTEM OFF</b> 	Press to turn off the TV and all other equipment connected with S-Link. (see page 12)
<b>TV/VTR</b> 	Press when you are finished using a VCR and you want to switch to the TV input. Your VCR power will remain on.
<b>TV/DBS</b> 	Press to select an audio option. (see "EFFECT" on page 24) Options: <b>TRUSURROUND Dolby Virtual SIMULATED EFFECT OFF</b> TV/DBS is a feature of DBS, refer to your DBS operating instructions.



## CAPTION VISION

Closed Caption



CAPTION VISION can be used for programs that are broadcast with closed caption.

To access CAPTION VISION:

- 1 Press MENU.
- 2 Use the  to scroll to CC.
- 3 Select CC with the  button.
- 4 Choose a CAPTION VISION option.
- 5 Access CAPTION VISION/TEXT/XDS through your DISPLAY button. (see left)

### CC1, 2, 3 or 4

Shows you a printed version of the dialog or sound effects of a program. (The mode should be set to CC1 for most programs)

### TEXT1, 2, 3 or 4

Shows you network/station information presented using either half or the whole screen.

### XDS (Extended Data Service)

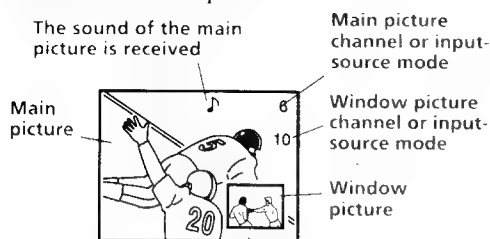
Shows a network name, program name, program length, and time of the show if the broadcaster offers this service.

### Note

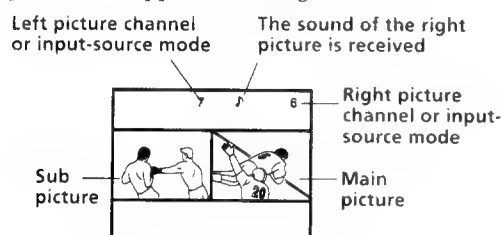
- Poor reception of TV programs can cause errors in CAPTION VISION and XDS. Captions may appear with a white box or other errors instead of intended text.

## Watching Two Programs at One Time — PIP/P&P (Twin View™)

The Picture-in-Picture (PIP) feature allows you to view two channels simultaneously, one in the full size "main" picture and one in a smaller "window" picture.



The Picture-and-Picture (P&P) feature allows you to view two channels simultaneously, both in a reduced size screen. The main picture will appear on the right.













REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART

### Using the Yellow Labeled Buttons for PIP Operations

Some control buttons for PIP and P&P are located under the cover on the top of the remote control.

	Press to display a window picture (PIP). Each time you press, the picture size will change (1/4 → 1/9 → 1/16). Press <b>OFF</b> to remove the window picture.
	Press to display right (main) and left pictures (P&P). Press <b>OFF</b> to cancel.
<b>TV/VIDEO</b>  <i>yellow labeled button</i>	Press repeatedly to step through available video inputs: <b>TV, VIDEO 1, VIDEO 2, VIDEO 3 and VIDEO 4</b> PIP will display the video source in the window picture. P&P will display the video source in the left picture. <i>If you label one of your VIDEO inputs as SKIP, this video input will be skipped. (see "VIDEO LABEL" on page 27)</i>
<b>AUDIO</b> 	Press to alternate sound between the main picture and the window picture for PIP and the right and left picture for P&P. A  will appear for a few seconds to indicate which picture is receiving sound.

Using the Yellow Labeled Buttons for PIP Operations	
<b>CH +</b>  <b>CH -</b> 	Press to change the TV channel in the secondary picture. For PIP, the channel in the window picture will change. For P&P, the channel in the left picture will change.
<b>POSITION</b> 	Press to move the location of the window picture around the main picture. <i>This function works only for PIP.</i>
<b>FREEZE</b> 	Great for copying down phone numbers, addresses, recipes, etc. For PIP: Press to freeze the main picture and remove the window picture. Press  or FREEZE to resume PIP viewing. Press  to cancel and resume normal TV viewing. For P&P: Press to freeze both pictures. Press again to resume P&P viewing or press  to cancel and resume normal TV viewing.
<b>SWAP</b> 	Press to switch the audio and video of the main picture and the window picture for PIP, or between the left and right pictures for P&P.
	Press to access CHANNEL INDEX for direct channel selection. (see "Using CHANNEL INDEX" on page 19)
	Press to cancel PIP or P&P functions and return to normal viewing.


#### Notes


- The channel being received through the AUX jack cannot be displayed as a window picture.
- If one of the pictures received through PIP/P&P is snowy, the entire screen may appear snowy. In this case, skip the snowy channel. (see "CHANNEL SKIP/ADD" on page 26)

## Using CHANNEL INDEX

You can use the CHANNEL INDEX feature to display multiple channels for direct selection.


Channels used for CHANNEL INDEX will come directly from the TV's list of receivable channels (those set during AUTO PROGRAM or through the SET UP menu).

- 1 Press  once to display the current channel in the center of the screen surrounded by the first twelve receivable channels.

You can press  again for another set of 12 channels.



A yellow frame will appear to indicate current channel selection.

- 2 Use the joystick to move the yellow frame to the desired channel and press .



The selected channel is displayed for normal viewing.














### Notes

- You cannot move the yellow frame until all of the surrounding pictures appear.
- The TV will continually update each of the surrounding pictures while the CHANNEL INDEX screen is displayed.
- Sound will only be heard from the center picture while the CHANNEL INDEX screen is displayed.

- If one of the pictures received through CHANNEL INDEX is snowy, the entire screen may appear snowy. In this case, erase the snowy channel using CHANNEL SKIP/ADD. (see "CHANNEL SET UP" on page 26)



REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART

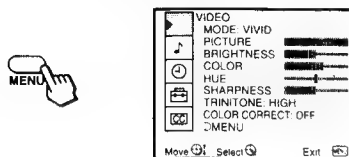
Using the Yellow Labeled Buttons for CHANNEL INDEX Operations	
Some control buttons are located under the cover on the top of the remote control.	
	Press to access CHANNEL INDEX. Press again to access the next twelve receivable channels.
 	Press to cycle through the receivable channels one at a time.
	Press to cancel the current operation and return to normal TV viewing.
	Press to freeze the center picture. Press again to cancel the frozen picture and resume normal center picture viewing.
Using the White Labeled Buttons for Center Picture Operations	
	Press to cycle the center picture through the video inputs. <i>The surrounding channels will not change.</i>
	Press to replace the center picture with a channel received through the AUX input. Press again to return to CATV input.
  or  or  and ENTER	Press to select the channel for the center picture. (see "Watching the TV" on pages 15-16)



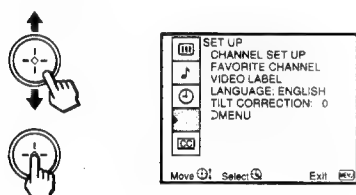
## Learning Menu Selection

Use the MENU button to access a menu and use the joystick to alter settings. Use the following example, in which we activate the CABLE, to learn how to modify settings.

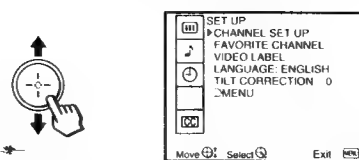
- 1 Press the MENU button.  
The main menu appears.



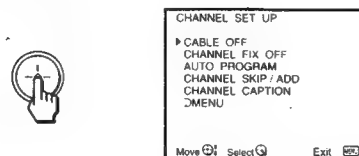
- 2 Press up or down on the joystick to highlight the desired menu and press to activate it.



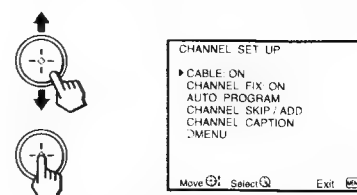
- 3 Press up or down on the joystick until the cursor points to the desired option.



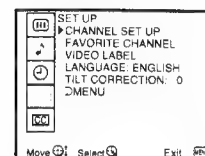
- 4 Press .  
Options for your selection will be displayed.



- 5 Press up or down on the joystick to make your selection and press to activate it.



When you are done with changes to the selected menu, choose >MENU to return to the main menu.



### Notes

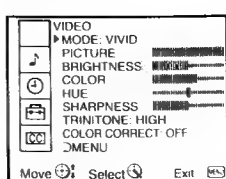
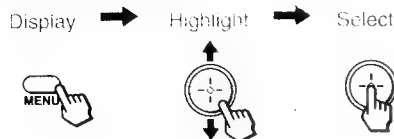
- Pressing MENU on the remote control will allow you to exit from the menus at any time.
- If any menu items are "grayed out" press the ANT button on your remote control until a channel number appears.

## Quick start to the menus

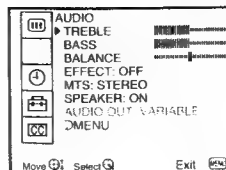
The following is a guide to your menus.

For detailed information on using the remote control to modify menu settings, refer to "Learning menu selection" on page 21.

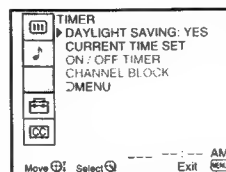
### To select a menu:



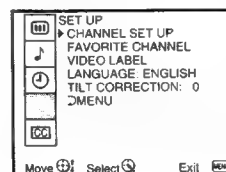
The VIDEO menu allows you to make adjustments to your picture setting. It also allows you to customize the picture MODE based on the type of program you are watching.



The AUDIO menu offers enhanced audio options such as listening to second audio programming (SAP), or customizing the EFFECT of the sound on your TV.

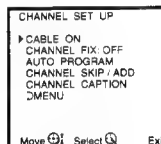


The TIMER menu sets the clock on your TV and allows you to program your TV for scheduled viewing using the ON/OFF TIMER.

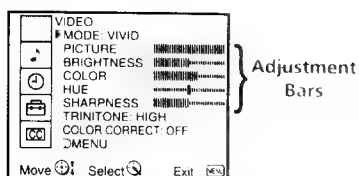


The SET UP menu provides several options for setting up your channels, labeling your TV/VIDEO inputs, and selecting the LANGUAGE of your menus.

The CHANNEL SET UP menu is a sub-menu which provides further options for setting up your TV.



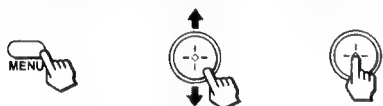
## Using the VIDEO Menu



For detailed information on using the remote control to modify menu settings, refer to "Learning Menu Selection" on page 21.

### To select the VIDEO menu:

Display → Highlight  → Select

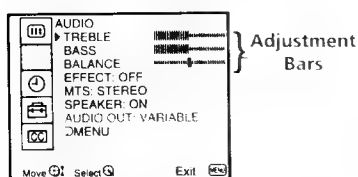


### To restore the factory VIDEO settings

Press RESET on the remote control while the VIDEO menu is selected.

<b>MODE</b> <i>Customized picture viewing</i>	<b>VIVID:</b> Select for enhanced picture contrast and sharpness. <b>STANDARD:</b> Select to display a standard picture. <b>MOVIE:</b> Select to display a softer picture. <b>SPORTS:</b> Select to display a bright picture. You can alter the VIDEO menu settings (e.g., PICTURE, HUE) for each MODE. Select each MODE individually and then press RESET to restore factory settings.
<b>PICTURE</b> <i>Picture contrast</i>	Adjust right to increase picture contrast and create more vivid color. Adjust left to decrease picture contrast and soften the color.
<b>BRIGHTNESS</b> <i>Picture adjustment</i>	Adjust right to brighten the picture. Adjust left to darken the picture.
<b>COLOR</b> <i>Color saturation</i>	Adjust right to increase color intensity. Adjust left to decrease color intensity.
<b>HUE</b> <i>Color tones</i>	Adjust right to increase the green tones. Adjust left to decrease the green tones.
<b>SHARPNESS</b> <i>Picture detail</i>	Adjust right to sharpen the picture. Adjust left to soften the picture.
<b>TRINITONE</b> <i>White intensity adjustment</i>	<b>HIGH:</b> Select to give the white colors a blue tint. <b>MEDIUM:</b> Select to give the white colors a neutral tint. <b>NTSC STD:</b> Select to give the white colors a red tint.
<b>COLOR CORRECT</b> <i>Color ratio adjustment</i>	Select <b>ON</b> to emphasize reds and blues. Select <b>OFF</b> to emphasize greens.

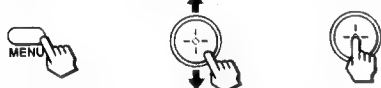
## Using the AUDIO Menu



For detailed information on using the remote control to modify menu settings, refer to "Learning Menu Selection" on page 21.

### To select the AUDIO menu:

Display → Highlight → Select



### To restore the factory AUDIO settings

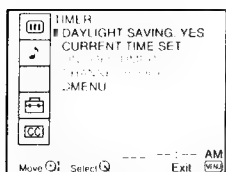
Press RESET on the remote control while the AUDIO menu is selected.

#### Tip

Press for quick access to TRUSURROUND DOLBY VIRTUAL.

<b>TREBLE</b>	Adjust left or right to decrease or increase higher pitched sound.
<b>BASS</b>	Adjust left or right to decrease or increase low pitched sounds.
<b>BALANCE</b>	Adjust left or right to emphasize left or right speaker volume.
<b>EFFECT</b> <i>Customize sound effect based on the program's audio type</i>	<b>TRUSURROUND:</b> Produces a virtual surround effect for Dolby-surround encoded programs. <b>SIMULATED:</b> Adds a surround-like effect to mono programs. <b>OFF:</b> Normal stereo or mono reception.
<b>MTS</b> <i>Enjoy stereo, bilingual and mono programs</i>	<b>MTS:</b> Press  or  to select one of the following options: <b>STEREO:</b> Select when viewing a broadcast in stereo. <b>SAP:</b> Select to listen to bilingual broadcast. (Non-SAP programs will be mute when this feature is selected) <b>MONO:</b> Select to reduce noise during stereo broadcasts for areas of weak reception. <b>Quick MTS access:</b> Press MTS on your remote control to cycle through the MTS options.
<b>SPEAKER</b> <i>Custom selection of audio output source</i>	<b>ON:</b> Select to listen to the sound from the TV speakers alone or the TV speakers and a separate stereo system. <b>OFF:</b> Select to turn off the TV speakers and listen to the TV's sound only through external audio system speakers.
<b>AUDIO OUT</b> <i>Easy control of volume adjustments</i>	AUDIO OUT can only be set when SPEAKER is set to OFF. <b>VARIABLE:</b> Sound output varies according to the TV settings. <i>Useful when you want to use your remote control to control the output of a separate audio system.</i> <b>FIXED:</b> Sound output is held at a fixed level through your stereo. <i>Use your A/V receiver's remote control to adjust the volume.</i>

## Using the TIMER ⌚ Menu

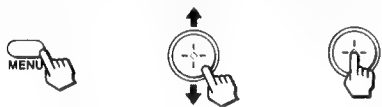


After setting the clock you can use the timer to turn the TV on and off.

For detailed information on using the remote control to modify menu settings, refer to "Learning Menu Selection" on page 21.

### To select the TIMER ⌚ menu:

Display → Highlight ⌚ → Select

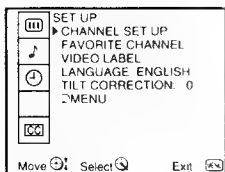


#### Tip ⚡

Set DAYLIGHT SAVING time before setting the clock. Any loss of power will cause these settings to be erased.

<b>DAYLIGHT SAVING</b> <i>Automatically adjusts the time</i>	<p><b>Spring:</b> Select YES to compensate for Daylight Saving Time. The current time automatically moves ahead one hour.</p> <p><b>Fall:</b> Select NO at the end of Daylight Saving Time. The current time moves back one hour.</p>
<b>CURRENT TIME SET</b> <i>Necessary for the ON/OFF TIMER</i>	<ol style="list-style-type: none"> <li>1 Press <b>+</b>, then press up or down on the joystick until the current day is displayed, and press <b>+</b>.</li> <li>2 Press up or down on the joystick until the current hour and AM/PM is displayed, and press <b>+</b>.</li> <li>3 Press up or down on the joystick until the current minute is displayed, and press <b>+</b>. The clock is set. Press MENU to exit.</li> </ol>
<b>ON/OFF TIMER</b> <i>Wake up or scheduled viewing</i>	<ol style="list-style-type: none"> <li>1 Select a timer (1 or 2).</li> <li>2 Press up or down on the joystick until the desired day or range of days is displayed, and press <b>+</b>.</li> <li>3 Press up or down on the joystick until the time (hours and minutes) that you want the TV to remain on is displayed, and press <b>+</b>.</li> <li>4 Press up or down on the joystick to set the time duration (maximum of 6 hours) and press <b>+</b>. <b>TO CANCEL THE TIMER FUNCTION, PRESS RESET WHILE THE ON/OFF TIMER MENU IS DISPLAYED.</b></li> <li>5 Press up or down on the joystick to select the desired channel and press <b>+</b>. The timer is now set. The TIMER indicator on your TV will be lit. Press MENU to exit. Performing AUTO PROGRAM will erase all TIMER settings.</li> </ol>
<b>CHANNEL BLOCK</b> <i>Prevent access to certain channels</i>	<p>You will be able to block two channels for a period of up to 12 hours. <b>FOLLOW STEPS 1-5 OF ON/OFF TIMER ABOVE</b></p> <p>To erase your CHANNEL BLOCK settings, press RESET while in the CHANNEL BLOCK window. Performing AUTO PROGRAM will erase your CHANNEL BLOCK settings.</p>

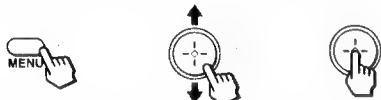
## Using the SET UP Menu



For detailed information on using the remote control to modify menu settings, refer to "Learning Menu Selection" on page 21.

### To select the SET UP menu:

Display → Highlight → Select



If any menu items are "grayed out", press the ANT button on your remote control so that a channel number appears.

### Notes

- Your remote control can be programmed to operate your cable box. (see page 33)
- After setting CABLE, you will need to run AUTO PROGRAM.
- ON/OFF TIMER and CHANNEL BLOCK settings will be erased when CHANNEL FIX is set.

26

## CHANNEL SET UP

With the CHANNEL SET UP menu open:

With the CHANNEL SET UP menu open:

- 1 Use the joystick to select the feature you want to change.
- 2 Press  $\oplus$  to access the feature.

**CABLE:** Select ON if your TV is connected to a cable system. (Easy Setup Guide will set CABLE to OFF automatically if a cable channel is not available)

**CHANNEL FIX:** Press up or down on the joystick to set the TV's input to one of the following options:

**2-6:** When the cable box is connected to the VHF/UHF input and you do not want to switch to AUX mode. Press DBS/CABLE (FUNCTION) and then CH +/- to change channels.

**AUX 2-6:** When a cable box is connected to AUX and a cable or antenna is connected to VHF/UHF. You can alternate between the two inputs by pressing ANT.

**VIDEO 1:** When you have connected video equipment (e.g. A/V receiver) and you want the TV input fixed to it. You will be able to alternate between video sources.

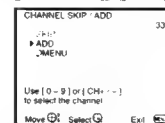
**OFF:** When you want to switch CHANNEL FIX off.

If the TV is in the AUX mode when you turn CHANNEL FIX off, press ANT to return to regular (CATV) mode.

*TIMER and CHANNEL BLOCK settings are erased when CHANNEL FIX is set.*

**AUTO PROGRAM:** Allows the TV to program all receivable channels.

**CHANNEL SKIP/ADD:** With the CHANNEL SKIP/ADD window open:

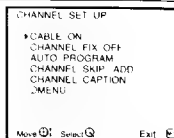






- 1 Press  $\oplus$  to SKIP or ADD (only one option will be available).
- 2 Select the desired channel.

**CHANNEL CAPTION:** Label up to 12 channels, with up to four letters each. With the CHANNEL CAPTION window open:



- 1 Press  $\oplus$  and then press up or down on the joystick to select the desired channel, and press  $\oplus$  again.
- 2 Press up or down on the joystick to display the first letter or number of the caption and press  $\oplus$  to select it.
- 3 Press  $\oplus$ . To erase a Caption, press RESET.



<b>FAVORITE CHANNEL</b> <i>User's favorite channels</i>	<p>The FAVORITE CHANNEL feature provides a multi-picture presentation to enable direct channel selection. (for details on how to set up this feature, see "Setting and Selecting FAVORITE CHANNEL" on page 28)</p> <p>The FAVORITE CHANNEL feature is not available for the AUX input.</p>
<b>VIDEO LABEL</b> <i>Label connected equipment for easy recognition (e.g. DBS, VHS, etc.)</i>	<p>With the VIDEO LABEL menu open:</p> <ol style="list-style-type: none"> <li>1 Press up or down on the joystick to select the input mode you want to label and press .</li> <li>2 Press up or down on the joystick to select the label and press .</li> </ol> <p><b>VIDEO LABEL Options:</b>  VIDEO 1/2/3: VHS, 8mm, BETA, LD, GAME, DBS, DVD, WEB, RECEIVER, DTV, SKIP  VIDEO 4: DVD, DTV, SKIP</p> <p><i>If you select SKIP, your TV will skip this connection when you scan through video sources using the TV/VIDEO button.</i>  <i>When VIDEO LABEL is set to WEB, the screen will darken, creating an ideal picture for WebTV viewing.</i></p> 
<b>LANGUAGE</b> <i>User's preferred language</i>	<p>Select from available languages to display all menus in your language of choice.</p>
<b>TILT CORRECTION</b> <i>Adjust your picture</i>	<p>Use this feature to correct any tilt of the picture.  Press up or down on the joystick to select a correction between +5 and -5 and press .</p>

## Setting and Selecting FAVORITE CHANNEL

The FAVORITE CHANNEL feature provides a multi-picture presentation to enable direct channel selection.

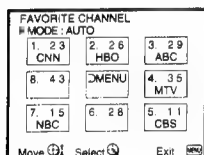
Your FAVORITE CHANNEL options can be set automatically or manually.

The factory setting for FAVORITE CHANNEL is AUTO. When FAVORITE CHANNEL is set to AUTO, the last eight channels selected with the 0-9 buttons will be set as FAVORITE CHANNEL options.

### Setting FAVORITE CHANNEL manually

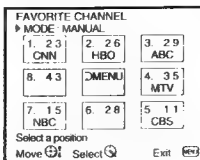
- 1 Select FAVORITE CHANNEL from the SET UP menu.

The FAVORITE CHANNEL menu will appear. If you set CHANNEL CAPTION, captions (e.g. CNN, HBO) for the channels selected will display. (see "CHANNEL CAPTION" on page 26)



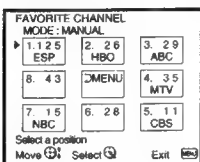
- 2 Select MODE and press +.

Press up or down on the joystick to display MANUAL and press +.



- 3 Press down on the joystick to select 1 and press +.

Press up or down on the joystick to select a channel and press +.



You have now selected a favorite channel for position 1.

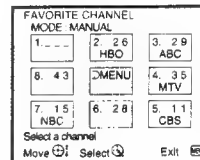
- 4 Use the joystick to select other FAVORITE CHANNEL positions and program other favorite channels.

- 5 Press MENU when you are finished.

Your favorite channels are now ready to use.

### Resetting FAVORITE CHANNEL choices

You have the option of returning to the FAVORITE CHANNEL screen to adjust any of your favorite channel choices. Simply proceed as described in "Setting FAVORITE CHANNEL manually" (skip step 2 if MANUAL is already selected). When you reach step 3, select the position you want to change and press +. Press RESET to clear the channel for that position.



Press up or down on the joystick to select a new channel and press +.

Press MENU when you are done.

### Note

- Channels received through the VHF/UHF input and the AUX input cannot be viewed within the FAVORITE CHANNEL menu at the same time.



## Using FAVORITE CHANNEL

You can use the FAVORITE CHANNEL feature to display multiple channels for direct selection.

- 1 Press  $\oplus$  once.

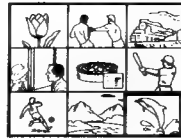
The current channel will be displayed in the center of the screen surrounded by your eight favorite channels.



A yellow frame will appear to indicate current channel selection. The TV will continually update each of the surrounding pictures.

- 2 When you find a channel that you wish to view, use the joystick to move the yellow frame to that picture.

The sound of the picture surrounded by the yellow frame will be received.



- 3 Press  $\oplus$  to select the channel.

The selected channel will be retrieved and displayed for normal viewing.









## Notes

- You cannot move the yellow frame until all of the surrounding pictures appear.
- If one of the pictures received through FAVORITE CHANNEL is snowy, the entire screen may appear snowy. In this case, erase the snowy channel using CHANNEL SKIP/ADD. (see "CHANNEL SET UP" on page 26)

## Setting and Selecting FAVORITE CHANNEL (continued)

REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART

Using the Yellow Labeled Buttons for FAVORITE CHANNEL Operations	
Some control buttons are located under the cover on the top of the remote control.	
<b>FREEZE</b> 	Press to freeze the center picture. Press again to cancel the frozen picture and resume normal FAVORITE CHANNEL viewing.
	Press to cancel the current operation and return to normal TV viewing.
Using the White Labeled Buttons for Center Picture Operations	
<b>TV/VIDEO</b> 	Press to cycle the center picture through the video inputs. The surrounding channels will not change.
<b>ANT</b> 	Press to replace the center picture with a channel received through the AUX input. Press again to return to CATV input.
<b>CH</b>  or  0 - 9  or  JUMP and ENTER 	Press to select the channel for the center picture. (see "Watching the TV" on pages 15-16)

## Setting the Manufacturer's Code

You can use the supplied remote control to operate Sony or non-Sony video equipment that has an infrared sensor.

- 1 Set the VTR 1/2/3/DVD/MDP switch to the position through which you would like to access the video equipment.

The following Sony equipment is preset to each position of the switch:

VTR1 (303) Beta, ED Beta VCRs  
VTR2 (302) 8 mm VCR  
VTR3 (301) VHS VCR  
DVD/MDP (751) DVD Player

- 2 Press CODE SET, VTR/DVD (FUNCTION), the 0-9 buttons to enter the manufacturer's code number (see the following chart), then press ENTER.

For example, to operate a Sony 8mm VCR:



### If the remote control doesn't work

- Try repeating the set up procedures using the other codes listed for your equipment.

## VCR code numbers

Manufacturer	Code	
Sony	301, 302, 303	Multitech 325, 338, 321
Aiwa	338, 344	NEC 314, 336, 337
Admiral (M. Ward)	327	Olympic 309, 308
Audio Dynamic	314, 337	Optimus 327
Bell & Howell (M. Ward)	330, 343	Panasonic 308, 309, 306, 307
Broksonic	319, 317	Pentax 305, 304
Cangn	309, 308	Philco 308, 309
Citizen	332	Philips 308, 309, 310
Craig	315, 302, 332	Pioneer 308
Criterion	315	Quasar 308, 309, 306
Curtis Mathes	304, 338, 309	RCA/PROSCAN 304, 305, 308, 309, 311, 329, 312, 313, 310
Daewoo	341, 312, 309	Realistic 309, 330, 328, 335, 324, 338
DBX	314, 336, 337	Sansui 314
Dimensia	304	Singer 315
Emerson	319, 320, 316, 317, 318, 341	Samsung 322, 313, 321
Fisher	330, 334, 335, 333	Sanyo 330, 335
Funai	338	Scott 312, 313, 321, 335, 323, 324, 325, 326
General Electric	329, 304, 309	Sharp 327, 328
Go Video	322	Shintom 315
Goldstar	332	Signature 2000 (M. Ward) 338, 327
Hitachi	306, 304, 305, 338	Sylvania 308, 309, 338, 310
Instant Replay	309, 308	Symphonic 338
JC Penney	309, 305, 304, 330, 314, 336, 337	SV2000 338
JVC	314, 336, 337, 345, 346, 347	Tashiro 332
Kenwood	314, 336, 332, 337	Tatung 314, 336, 337
LXI (Sears)	332, 305, 333, 334, 330, 335, 338	Teac 314, 336, 338, 337
Magnavox	308, 309, 310	Technics 309, 308
Marantz	314, 336, 337	Toshiba 312, 311
Marta	332	Wards 327, 328, 335, 331, 332
Memorex	309, 335	XR-1000 315
Minolta	305, 304	Yamaha 330, 314, 336, 337
Mitsubishi/MGA	323, 324, 325, 326	Zenith 331

## MDP code numbers

Manufacturer	Code
Sony	701
Panasonic	704, 710
Pioneer	702

## DVD Player code numbers

Manufacturer	Code
Sony	751
Panasonic	753
Pioneer	752
RCA	755
Toshiba	754

### Tips

- In some rare cases, you may not be able to operate your non-Sony video equipment with the supplied remote control. In this case, please use the equipment's own remote control.
- When you remove the batteries, the code number may revert to the factory setting.

## To operate video equipment

- Set the VTR1/2/3/DVD/MDP switch to the position through which you would like to access the video equipment.
- Use the VCR/DVD/MDP buttons indicated in the following tables.

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## Operating a VCR using the remote control

To turn On/Off	Press VTR/DVD (POWER). [Green Button]
To select a channel	Press the 0 – 9 buttons.
To change channels	Press CH +/-.
To record	Press (REC) while pressing (upper left).
To play	Press ►.
To stop	Press ■.
To fast forward	Press ►►.
To rewind the tape	Press ◄◄.
To pause	Press   . Press again to resume normal playback.
To scan the picture	Press ►► or ◄◄ during playback. Release to resume normal playback.
To change input mode	Press TV/VTR.

## Operating an MDP using the remote control

To turn On/Off	Press VTR/DVD (POWER). [Green Button]
To play	Press ►.
To stop	Press ■.
To pause	Press   . Press again to resume normal playback.

To scan the picture	Press ►► or ◄◄ during playback. Release to resume normal playback.
To search a chapter forward or backward	Press CH +/-.

## Operating a DVD Player using the remote control

To turn On/Off	Press VTR/DVD (POWER). [Green Button]
To play	Press ►.
To stop	Press ■.
To pause	Press   . Press again to resume normal playback.
To step through different tracks of an audio disc	Press ►► to step forward or ◄◄ to step backward.
To step through different chapters of a video disc	Press CH+ to step forward or CH- to step backward.
To display the Title menu	Press TITLE.
To display the DVD software menu	Press DVD MENU.
To select tracks directly	Press 0-9 buttons and ENTER.
To display the menu (Set up)	Press MENU.
To move the cursor in the menu	Move the joystick in the corresponding direction.

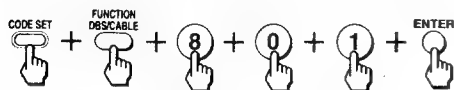


## Setting the Manufacturer's Code

You can program the supplied remote control to operate a cable box or DBS receiver.

Press CODE SET, DBS/CABLE (FUNCTION), the 0-9 buttons to enter the manufacturer's code number (see the following chart), then press ENTER.

For example, to operate a Sony DBS receiver:



## Cable box code numbers

Manufacturer	Code
Hamlin/Regal	222, 223, 224, 225, 226
Jerrold/G. I.	201, 202, 203, 204, 205, 206, 207, 208, 218
Oak	227, 228, 229
Panasonic	219, 220, 221
Pioneer	214, 215
Scientific Atlanta	209, 210, 211
Tocom	216, 217
Zenith	212, 213

## DBS receiver code numbers

Manufacturer	Code number
Sony	801 (preset code for remote control)
General Electric	802
Hitachi	805
Hughes	804
Panasonic	803
RCA/PROSCAN	802, 808
Toshiba	806, 807

## To operate the TV

Press TV (FUNCTION). Then use the TV control buttons to control the TV.

## For more details on operating the cable box or DBS receiver

Refer to the operating instructions supplied with the equipment.

## If the remote control doesn't work

- First, try repeating the set up procedures using the other codes listed for your equipment.

## Tips

- If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.
- If you enter a new code number, the code number you previously entered at that setting is erased.
- In some rare cases, you may not be able to operate your equipment with the supplied remote control. In this case, use the equipment's supplied remote control.
- Whenever you remove the batteries — to replace them, for example — if too much time is taken, the code numbers may revert to the factory setting.



## Troubleshooting

### To reset the TV to factory settings

- First, turn the TV on. Then, while pressing the RESET button on the remote control, press the POWER button on the TV. The TV will turn itself off, then back on. When the TV turns on again, all settings will be reset, and the Easy Setup Guide will appear.

### No picture (screen not lit), no sound

- If your TV does not turn on, and a red light keeps flashing, your TV may need service. Call your local Sony service center.
- Make sure the power cord is plugged in.
- Operate with the buttons on the TV and the remote control.
- Check to see if the TV/VIDEO setting is correct: when watching TV, set to TV, and when watching video tapes, set to VIDEO 1, 2, 3 or 4.
- Try another channel. It could be station trouble.
- Perform Easy Setup Guide again using the SET UP button to return to the factory preset condition. (see "To perform AUTO SET UP again" on page 14)

### Remote control does not operate

- Batteries could be weak. Replace the batteries.
- Press TV (FUNCTION) when operating your TV.
- Make sure the TV's power cord is connected securely to the wall outlet.
- Locate the TV at least 3-4 feet away from fluorescent lights.
- Check the S-Link connection. (see page 12)
- Make sure the batteries are inserted correctly.

### Dark, poor or no picture (screen lit), good sound

- Adjust PICTURE in the VIDEO menu. (see "PICTURE" on page 23)
- Adjust BRIGHTNESS in the VIDEO menu. (see "BRIGHTNESS" on page 23)
- Check antenna/cable connections.
- Perform Easy Setup Guide again using the SET UP button to return to the factory preset condition. (see "To perform AUTO SET UP again" on page 14)
- When VIDEO LABEL is set to WEB, the screen will darken, creating an ideal picture for WebTV viewing. (see "VIDEO LABEL" on page 2)

### Good picture, no sound

- Press MUTE so that "MUTE" disappears from the screen. (see "MUTE" on page 16)
- Check the MTS setting in the AUDIO menu. (see "MTS" on page 24)
- Make sure SPEAKER is set to ON in the AUDIO menu. (see "SPEAKER" on page 24)
- Perform Easy Setup Guide again using the SET UP button to return to the factory preset condition. (see "To perform AUTO SET UP again" on page 14)

### Cannot receive upper channels (UHF) when using an antenna

- Make sure CABLE is OFF in the SET UP menu. (see "CHANNEL SET UP" on page 26)
- Use AUTO PROGRAM to add receivable channels that are not presently in TV memory. (see "CHANNEL SET UP" on page 26)

### No color

- Adjust the COLOR in the VIDEO menu. (see "COLOR" on page 23)
- Perform Easy Setup Guide again using the SET UP button to return to the factory preset condition. (see "To perform AUTO SET UP again" on page 14)

<b>Only snow and noise appear on the screen</b>	<ul style="list-style-type: none"> <li>• Check the CABLE setting in the SET UP menu. (see "CHANNEL SET UP" on page 26)</li> <li>• Check the antenna/cable connections.</li> <li>• Make sure the channel is broadcasting programs.</li> <li>• Press ANT to change the input mode. (see "ANT" on page 16)</li> </ul>
<b>Dotted lines or stripes</b>	<ul style="list-style-type: none"> <li>• Adjust the antenna.</li> <li>• Move the TV away from noise sources such as cars, neon signs, or hair-dryers.</li> </ul>
<b>TV is fixed to one channel</b>	<ul style="list-style-type: none"> <li>• Try turning CHANNEL FIX off. (see "CHANNEL SET UP" on page 26)</li> <li>• Use AUTO PROGRAM to add receivable channels that are not presently in the TV memory. (see "CHANNEL SET UP" on page 26)</li> </ul>
<b>Double images or ghosts</b>	<ul style="list-style-type: none"> <li>• Use a highly directional outdoor antenna or a cable (when the problem is caused by reflections from nearby mountains or tall buildings).</li> </ul>
<b>Cannot operate menu</b>	<ul style="list-style-type: none"> <li>• If the item you want to choose appears in gray, you cannot select it. Your TV may be receiving video input. Try pressing TV/VIDEO.</li> </ul>
<b>Cannot receive any channels when using cable tv</b>	<ul style="list-style-type: none"> <li>• Make sure CABLE is ON in the SET UP menu. (see "CHANNEL SET UP" on page 26)</li> <li>• Use AUTO PROGRAM to add receivable channels that are not presently in TV memory. (see "CHANNEL SET UP" on page 26)</li> </ul>
<b>Cannot gain enough volume when using a cable box</b>	<ul style="list-style-type: none"> <li>• Increase the volume at the cable box. Then press TV (FUNCTION) and adjust the TV's volume.</li> </ul>
<b>TV malfunctions when using the S-Link function</b>	<ul style="list-style-type: none"> <li>• Check the S-Link connection. (see on page 12)</li> </ul>
<b>CHANNEL INDEX does not display all available channels</b>	<ul style="list-style-type: none"> <li>• Make sure CABLE is ON in the SET UP menu. (see "CHANNEL SET UP" on page 26)</li> <li>• Use AUTO PROGRAM to add receivable channels that are not presently in the TV memory. (see "CHANNEL SET UP" on page 26)</li> </ul>
<b>FAVORITE CHANNEL does not display your choices</b>	<ul style="list-style-type: none"> <li>• Verify that MODE is set to MANUAL in the FAVORITE CHANNEL menu. (see "Setting FAVORITE CHANNEL manually" on page 28)</li> </ul>
<b>Some video sources do not appear when you press TV/VIDEO</b>	<ul style="list-style-type: none"> <li>• Ensure that VIDEO LABEL is not set to SKIP. (see "VIDEO LABEL" on page 27)</li> </ul>
<b>Recording through MONITOR OUT does not function properly when recording in PIP or P&amp;P mode</b>	<ul style="list-style-type: none"> <li>• MONITOR OUT will not record both images in PIP or P&amp;P. Only the main picture will be recorded.</li> <li>• If you are recording the main picture and you switch to the sound of the sub picture using the AUDIO button, the main picture will be recorded with sound from the other program.</li> </ul>

If, after reading these operating instructions, you have any additional questions related to the use of your Sony television, please call our Direct Response Center at 1-800-222-SONY (7669) (customers in the U.S. only) or (416) 499-SONY (7669) (customers in Canada only).

	KV-32XBR200	KV-36XBR200
<b>Power requirements</b>	120 V, 60 Hz	120 V, 60 Hz
<b>Number of inputs/outputs</b>		
Video <sup>1)</sup>	3	3
S VIDEO <sup>2)</sup>	2	2
Audio <sup>3)</sup>	4	4
Audio out <sup>4)</sup>	1	1
Monitor out <sup>1)</sup>	1	1
TV out <sup>1) 3)</sup>	1	1
S-Link	3	3
Y, Pb, Pr <sup>5)</sup>	1	1
<b>Speaker output (W)</b>	15W x 2	15W x 2
<b>Power consumption (W)</b>		
In use (Max.)	240 W	240 W
In standby	2 W	2 W
<b>Dimensions (W/H/D)</b> (mm) (in.)	899.4 x 685.6 x 600.7 mm 35 <sup>7</sup> / <sub>16</sub> x 27 x 23 <sup>21</sup> / <sub>32</sub> in	1010 x 761.2 x 630.9 mm 39 <sup>13</sup> / <sub>16</sub> x 30 x 24 <sup>15</sup> / <sub>16</sub> in
<b>Mass (kg)</b> (lbs)	79 kg 175 lbs	107 kg 236 lbs

<sup>1)</sup> 1 Vp-p, 75 ohms unbalanced, sync negative

<sup>2)</sup> Y: 1 Vp-p, 75 ohms unbalanced, sync negative  
C: 0.286 Vp-p (Burst signal), 75 ohms

<sup>3)</sup> 500 mVrms (100% modulation), Impedance: 47 kilohms

<sup>4)</sup> More than 408 mVrms at the maximum volume setting (variable)  
More than 408 mVrms (fix)  
Impedance (output): 2 kilohms

<sup>5)</sup> Y: 1.0 Vp-p, 75 ohms, sync negative  
Pb: 0.7 Vp-p, 75 ohms  
Pr: 0.7 Vp-p, 75 ohms

## Television system

American TV standard, NTSC

## Channel coverage

VHF: 2-13/UHF: 14-69/CATV: 1-125

## Picture tube

FD Trinitron® tube

## Antenna

75 ohm external terminal for VHF/UHF

## Visible Screen size

32-inch picture measured diagonally  
(KV-32XBR200)

36-inch picture measured diagonally  
(KV-36XBR200)

## Actual Screen size

34-inch picture measured diagonally  
(KV-32XBR200)

38-inch picture measured diagonally  
(KV-36XBR200)

## Supplied accessories

Remote control RM-Y144 (1)

Batteries (2) size AA (R6)

## Optional accessories

Connecting cables

RK-74A, RK-G69HG, VMC-10HG,

VMC-720M, VMC-810S/820S, YC-15V/30V

TV Stand SU-32FD1

KV-32XBR200

TV Stand SU-36FD1

KV-36XBR200


U/V mixer EAC-66

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**T, U**

**X**

**Y. Z**

 $Y, P_B, P_R$